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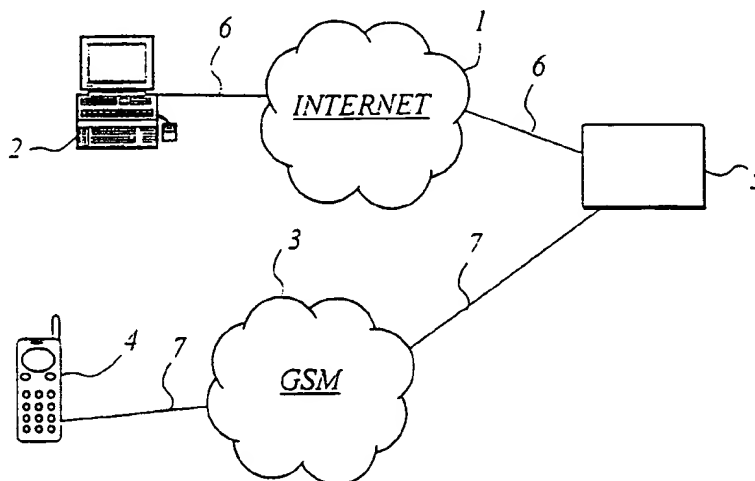
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INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : H04L 12/22		A3	(11) International Publication Number: WO 99/01990
			(43) International Publication Date: 14 January 1999 (14.01.99)
(21) International Application Number: PCT/FI98/00532 (22) International Filing Date: 18 June 1998 (18.06.98) (30) Priority Data: 972819 30 June 1997 (30.06.97) FI (71) Applicant (for all designated States except US): SONERA OY [FI/FI]; Sturenkatu 16, FIN-00510 Helsinki (FI). (72) Inventor; and (75) Inventor/Applicant (for US only): VATANEN, Harri [FI/FI]; Sonera Oy, Sturenkatu 16, FIN-00510 Helsinki (FI). (74) Agent: PAPULA REIN LAHTELA OY; Fredrikinkatu 61 A, P.O. Box 981, FIN-00101 Helsinki (FI).		(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i> (88) Date of publication of the international search report: 25 March 1999 (25.03.99)	

(54) Title: PROCEDURE FOR SETTING UP A SECURE SERVICE CONNECTION IN A TELECOMMUNICATION SYSTEM

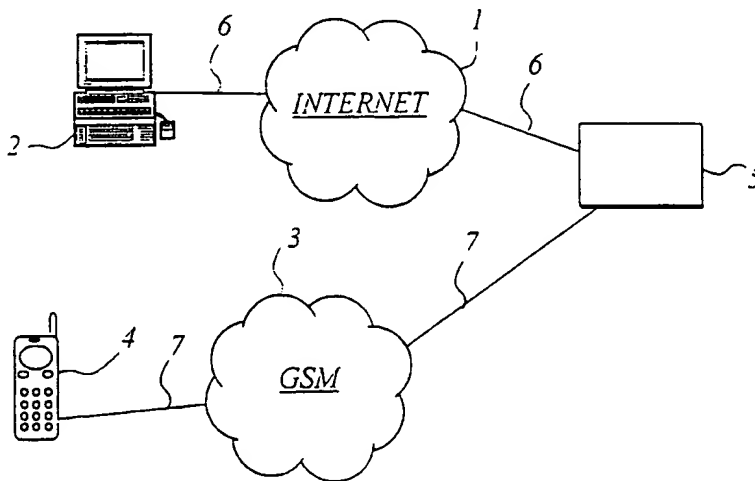


(57) Abstract

Procedure for setting up a secure service connection in a telecommunication system comprising a first telecommunication network (1), a first terminal device (2) connected to the first telecommunication network, a second telecommunication network (3), a second terminal device (4) connected to the second telecommunication network, and a telecommunication server (5), in which procedure the first terminal device is connected via a first telecommunication connection (6) to the telecommunication server and the second terminal device is connected to the telecommunication server via a second telecommunication connection (7). In an embodiment of the invention, the unique address of the first terminal device (2) and the data needed for the verification of information giving the first terminal device (2) access to the services of the telecommunication server (5) are transmitted via the second terminal device (4); the data sent by the second terminal device are verified in the telecommunication server; and the first telecommunication connection (6) from the telecommunication server to the first terminal device is set up based on the verification and the address data received if the first terminal device has the required right of access to the services of the telecommunication server.

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<p>(21) International Application Number: PCT/FI98/00532</p> <p>(22) International Filing Date: 18 June 1998 (18.06.98)</p> <p>(30) Priority Data: 972819 30 June 1997 (30.06.97) FI</p> <p>(71) Applicant (for all designated States except US): SONERA OY [FI/FI]; Sturenkatu 16, FIN-00510 Helsinki (FI).</p> <p>(72) Inventor; and</p> <p>(75) Inventor/Applicant (for US only): VATANEN, Harri [FI/FI]; Sonera Oy, Sturenkatu 16, FIN-00510 Helsinki (FI).</p> <p>(74) Agent: PAPULA REIN LAHTELA OY; Fredrikinkatu 61 A, P.O. Box 981, FIN-00101 Helsinki (FI).</p>		<p>(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG).</p> <p>Published</p> <p><i>With international search report.</i></p> <p><i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i></p> <p>(88) Date of publication of the international search report: 25 March 1999 (25.03.99)</p>	

(54) Title: PROCEDURE FOR SETTING UP A SECURE SERVICE CONNECTION IN A TELECOMMUNICATION SYSTEM



(57) Abstract

Procedure for setting up a secure service connection in a telecommunication system comprising a first telecommunication network (1), a first terminal device (2) connected to the first telecommunication network, a second telecommunication network (3), a second terminal device (4) connected to the second telecommunication network, and a telecommunication server (5), in which procedure the first terminal device is connected via a first telecommunication connection (6) to the telecommunication server and the second terminal device is connected to the telecommunication server via a second telecommunication connection (7). In an embodiment of the invention, the unique address of the first terminal device (2) and the data needed for the verification of information giving the first terminal device (2) access to the services of the telecommunication server (5) are transmitted via the second terminal device (4); the data sent by the second terminal device are verified in the telecommunication server; and the first telecommunication connection (6) from the telecommunication server to the first terminal device is set up based on the verification and the address data received if the first terminal device has the required right of access to the services of the telecommunication server.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/FI 98/00532

A. CLASSIFICATION OF SUBJECT MATTER

IPC6: H04L 12/22

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC6: H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

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Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

WPIL, EDOC, JAPIO, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	CA 2161983 A1 (ASSAD, ELIAS), 3 May 1997 (03.05.97), see whole document --	1-10
Y	WO 9701920 A1 (TELECOM FINLAND OY), 16 January 1997 (16.01.97), page 1, line 10 - line 24; page 3, line 11 - page 4, line 2; page 5, line 7 - page 6, line 5, page 6, line 32 - page 7, line 25 --	1-10
Y	WO 9411849 A1 (VATANEN, HARRI TAPANI), 26 May 1994 (26.05.94), page 1, line 3 - line 20; page 6, line 17 - page 7, line 9 --	1-10

☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

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International application No.

PCT/FI 98/00532

C. (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 9703410 A1 (EGENDORF, ANDREW), 30 January 1997 (30.01.97), page 3, line 11 - page 4, line 2; page 4, line 12 - page 5, line 9; page 6, line 1 - page 7, line 3, page 9, line 1 - page 10, line 2; page 13, line 21 - page 14, line 10 --	1-10
A	US 4706275 A (ZVI KAMIL), 10 November 1987 (10.11.87), column 3, line 3 - line 31; column 4, line 9 - line 11; column 4, line 28 - line 31 -- -----	5-7

INTERNATIONAL SEARCH REPORT

Information on patent family members

01/12/98

International application No.

PCT/FI 98/00532

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
CA 2161983 A1	03/05/97	NONE	
WO 9701920 A1	16/01/97	EP 0872117 A FI 99073 B,C FI 953208 A	21/10/98 13/06/97 29/12/96
WO 9411849 A1	26/05/94	AT 159602 T DE 69314804 D,T EP 0669031 A,B SE 0669031 T3 ES 2107689 T FI 925135 A FI 934995 A GR 3025393 T NO 951814 A	15/11/97 12/02/98 30/08/95 01/12/97 12/05/94 12/05/94 27/02/98 09/05/95
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